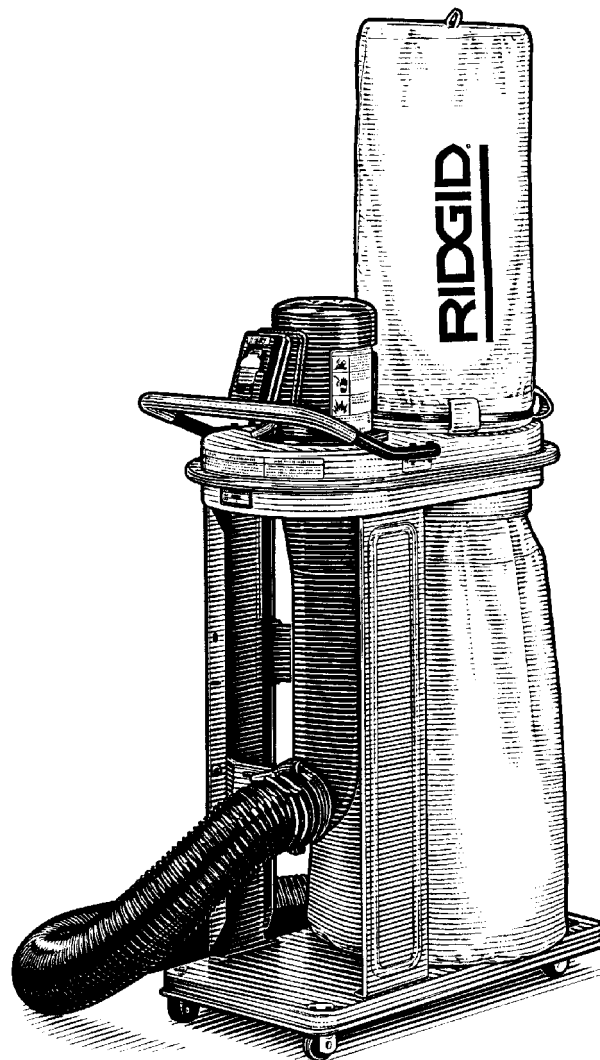


# **DC2000 OWNER'S MANUAL**



## **DUST COLLECTION SYSTEM**

- **Assembly**
- **Operation**
- **Repair Parts**

**For Your Safety:**

**Read all instructions carefully**

**QUESTIONS OR COMMENTS?**

**CALL 1-800-4-RIDGID**

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## Safety Instructions for Dust Collection System

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Safety is a combination of common sense, staying alert and knowing how your dust collection system works. Read this manual to understand the dust collection system.

### Safety Signal Words

**DANGER:** means if the safety information is not followed someone **will** be seriously injured or killed.

**WARNING:** means if the safety information is not followed someone **could** be seriously injured or killed.

**CAUTION:** means if the safety information is not followed someone **may** be injured.

When using your Dust Collection System, follow basic safety precautions including the following.

### **WARNING** - To reduce the risk of fire, electric shock, or injury:




Read and understand this owner's manual and all labels on the Dust Collection System before operating. Use only as described in this manual. To avoid personal injury or damage to Dust Collection System, use only RIDGID recommended accessories.

Sparks inside the electrical parts can ignite flammable vapors or dust. To avoid fire or explosion:

- Do not vacuum, or use this Dust Collection System near flammable or combustible liquids, gases, gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, or explosive dusts like coal dust, magnesium dust, grain dust, or gun powder.
- Do not vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- To reduce the risk of health hazards from vapors or dusts, do not vacuum toxic materials.
- Do not use or store near hazardous materials.
- To reduce the risk of electric shock, do not expose to rain. Store indoors.

- Do not use outdoors or on wet surfaces.
- Put unit on a stable, level surface.
- Route vacuum hose and electric cord out of traffic areas.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not leave appliance plugged in. Unplug from outlet when not in use and before servicing.
- To avoid injury from accidental starting, unplug power cord before changing or cleaning filter/dust bag or chip bag.
- Do not use without filter/dust bag and/or chip bag in place.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Turn off controls before unplugging.
- Do not use with damaged cord, plug or other parts. If your Dust Collection System is not working as it should, has missing parts, has been dropped, damaged, left outdoors, or dropped into water, return it to an Authorized Service Center.
- Do not pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners. Do not run Dust Collection System over cord. Keep cord away from heated surfaces.
- Do not handle plug or the Dust Collection System with wet hands.
- Do not put any object into ventilation openings. Do not vacuum with any ventilation openings blocked; keep free of dust, lint, hair or anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

**CAUTION:** If using this Dust Collection System to help keep airborne wood dust in heavy usage within acceptable limits, you must regularly monitor airborne dust and maintain Dust Collection System to avoid exceeding dust limits. Each application is unique. Your maintenance schedule must, therefore, be tailored to your specific use of the Dust Collection System.

<b>⚠ WARNING</b>	
	<p>Metal shavings or dust can set sawdust on fire.            Collect wood materials only.            Do not collect metal shavings or dust.            See manual for details.</p>
	<p>Risk of electrical shock.            Use indoors in dry area.            Do not use outdoors or on wet surfaces.</p>
	<p>Sparks can ignite vapors from flammable products.            Do not use around flammable products.</p>
<p>If connected to a circuit protected by fuses, use time delay fuses with this appliance.            Electrical: 120 volts, 60 Hz AC only, 7 amps</p>	

## Before Each Use

### Inspect your Dust Collection System.

- If any parts are missing, bent, or fail in any way, or any electrical components do not work properly, turn off the Dust Collection System.

# SAVE THESE INSTRUCTIONS

The operation of any utility vac or blower can result in foreign objects being blown into the eyes, which can result in severe eye damage. Always wear safety goggles, not glasses, complying with ANSI Z87.1(or in Canada CSA Z94-3-M88) shown on package. Everyday eyeglasses have only impact resistant lenses. They are not safety glasses. Safety Goggles are available at many local retail stores. Glasses or goggles not in compliance with ANSI or CSA could seriously hurt you when they break.




To reduce the risk of hearing damage, wear ear protectors when using the vac for extended hours or when, using it in a noisy area.

## Before Using the Dust Collection System

**WARNING:** To avoid mistakes that could result in serious, permanent injury, do not connect power cord until the following steps have been satisfactorily completed.

- Assembly, mounting and alignment.
- Learn the function and proper use of the ON-OFF switch.
- Read and understand all safety instructions and operating procedures throughout the manual.
- Read the following labels which appear on the top and bottom of filtration housing and sides of motor.

<b>⚠ WARNING</b>	
	<p>Hazardous moving parts inside            Unplug before removing inlet guard.            Attach inlet guard before plugging in.</p>

- Remove switch key, and remove power supply cord from power supply.
- Replace damaged, missing or failed parts before using the Dust Collection System again.
- Connect to properly grounded outlet only. (See "Grounding Instructions" on page 14.)

When cleaning collection bags, wear a dust mask.

For dusty operations, wear dust mask.

Use only extension cords that are rated for outdoor use. Extension cords in poor condition or that are too small in wire size can pose fire and shock hazards. When using an extension cord, be sure it is in good condition. Using any extension cord will cause some loss of power. To keep the loss to a minimum, use the following table to choose the minimum wire size extension cord.

Extension Cord Length	Gauge (A.W.G.)
0-50 Ft.	14
50-100 Ft.	12

# Introduction

The RIDGID Dust Collection System is specifically designed to capture sawdust and wood chips at the source. The fine dust is filtered by the upper bag while heavy particles settle in the lower bag for easy removal. Do not use as a vacuum.

**CAUTION:** The blower housing contains a high speed fan blade that can amputate fingers, grab loose clothing and neckties, or propel dust at high velocities. DO NOT OPERATE WITHOUT ALL PARTS IN PLACE.

Do not attempt to clean, remove dust bags or service unit while in operation. Disconnect from power source. This Dust Collection System is intended for either commercial or household use.

## IMPORTANT NOTE

### Please Read Carefully

Static Shocks Are Common - in dry areas or when the relative humidity of the air is low. To reduce the frequency of static shocks in your home, the best remedy is to add moisture to the air with a console or installed humidifier.

## Motor Specifications and Electrical Requirements

### Power Supply and Motor Specifications

**WARNING:** To reduce the risk of electrical hazards, fire hazards or damage to the tool, use proper circuit protection. Your tool is wired at the factory for operation using the voltage shown. Connect tool to a power line with the appropriate voltage and a 15-amp branch circuit. Use a 15-amp time delay type fuse or circuit breaker. To reduce the risk of shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately.

The A-C motor used on this tool is an induction nonreversible type, having the following specifications:

Horsepower	1/2
Voltage	110-120
Amperes	8.2
Hertz (Cycles)	60
Phase	Single
RPM	1725
Rotation of Shaft	Clockwise

### General Electrical Connections

**DANGER:** To reduce the risk of electrocution:

1. Use only identical replacement parts when servicing. Servicing should be performed by a qualified service technician.
2. Do not use in rain or where floor is wet.  
This tool is intended for indoor residential use only.

**WARNING:** Do not permit fingers to touch the terminals of plug when installing or removing the plug to or from the outlet.

### 110-120 Volt, 60 Hz. Tool Information

**NOTE:** The plug supplied on your tool may not fit into the outlet you are planning to use. Your local electrical code may require slightly different power cord plug connections. If these differences exist refer to and make the proper adjustments per your local code before your tool is plugged in and turned on.

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment grounding conductor and a grounding plug, as shown. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

A temporary adapter may be used to connect this plug to a 2-prong outlet, as shown, if a properly grounded three

prong outlet is not available. This temporary adapter should be used only until a properly grounded three prong outlet can be installed by a qualified electrician. The green colored rigid ear, lug and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

**NOTE:** In Canada the use of a temporary adapter is not permitted by the Canadian electrical code.

Improper connection of the equipment grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

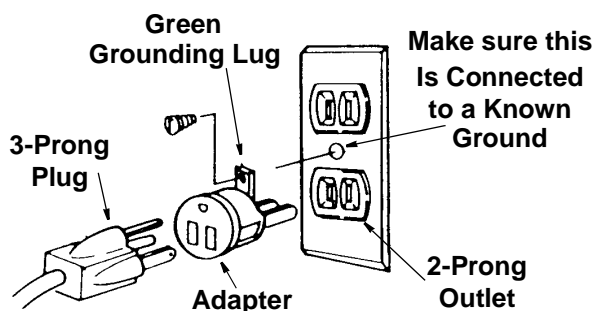
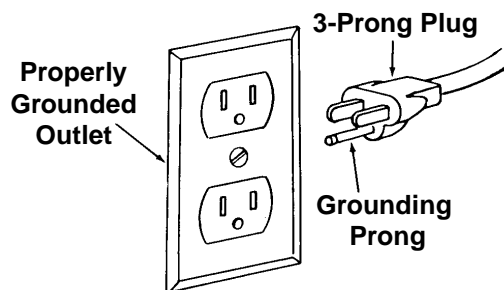
# Motor Specifications and Electrical Requirements (continued)

If the grounding instructions are not completely understood, or if you are in doubt as to whether the tool is properly grounded check with a qualified electrician or service personnel.

**WARNING:** If not properly grounded, this tool can cause an electrical shock, particularly when used in damp locations, in proximity to plumbing, or out of doors. If an electrical shock occurs there is the potential of a secondary hazard, such as your hands to hit the cutting tool.

**NOTE:** The adapter illustrated is for use only if you already have a properly grounded 2-prong outlet.

**NOTE:** In Canada the use of a temporary adapter is not permitted by the Canadian Electrical Code.



## Motor Safety Protection

**IMPORTANT:** To avoid motor damage, this motor should be blown out or vacuumed frequently to keep sawdust from interfering with normal motor ventilation.

1. Connect this tool to a power source with the appropriate voltage for your model and a 15-amp branch circuit with a 15-amp time delay fuse or circuit breaker. Using the wrong size fuse can damage the motor.
2. If the motor won't start, turn the switch off immediately and unplug the tool. Check the quill to make sure it turns freely. If the quill is free, try to start the motor again. If the motor still does not start, refer to the "Motor Troubleshooting Chart."
3. Fuses may "blow" or circuit breakers may trip frequently if:

a. **Motor Is Overloaded**-Overloading can occur if you feed too rapidly or make too many start/stops in a short time.

b. Line voltages should not be more than 10% above or below the nameplate voltage. For heavy loads, however, the voltage at motor terminals must equal the voltage specified for your model.

4. Most motor troubles may be traced to loose or incorrect connections, overload, low voltage (such as small size wire in the supply circuit) or to overly long supply circuit wire. Always check the connections, the load and the supply circuit whenever motor doesn't work well. Check wire sizes and length with the Wire Size Chart shown.

## Wire Sizes

**NOTE:** Make sure the proper extension cord is used and is in good condition.

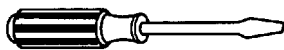
The use of any extension cord will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burnout, use the table at right to determine the minimum wire size (A.W.G.) extension cord.

Use only 3-wire extension cords which have 3-prong grounding type plugs and 3-pole receptacles which accept the tools plug.

Extension Cord Length	Gauge (A.W.G.)
0-25	16
25-50	14
51-100	12

# Unpacking and Checking Contents

## Tools Needed



Medium Screwdriver



Adjustable Wrench

## Unpacking

**WARNING:** To reduce the risk of injury from unexpected starting or electrical shock, do not plug the power cord into a source of power. This cord must remain unplugged whenever you are working on the dust collection system including assembly, cleaning and maintenance.

**WARNING:** To reduce the risk of injury, if any parts are missing, do not attempt to assemble the dust collection system, plug in the power cord, or turn the switch on until the missing parts are obtained and installed correctly.

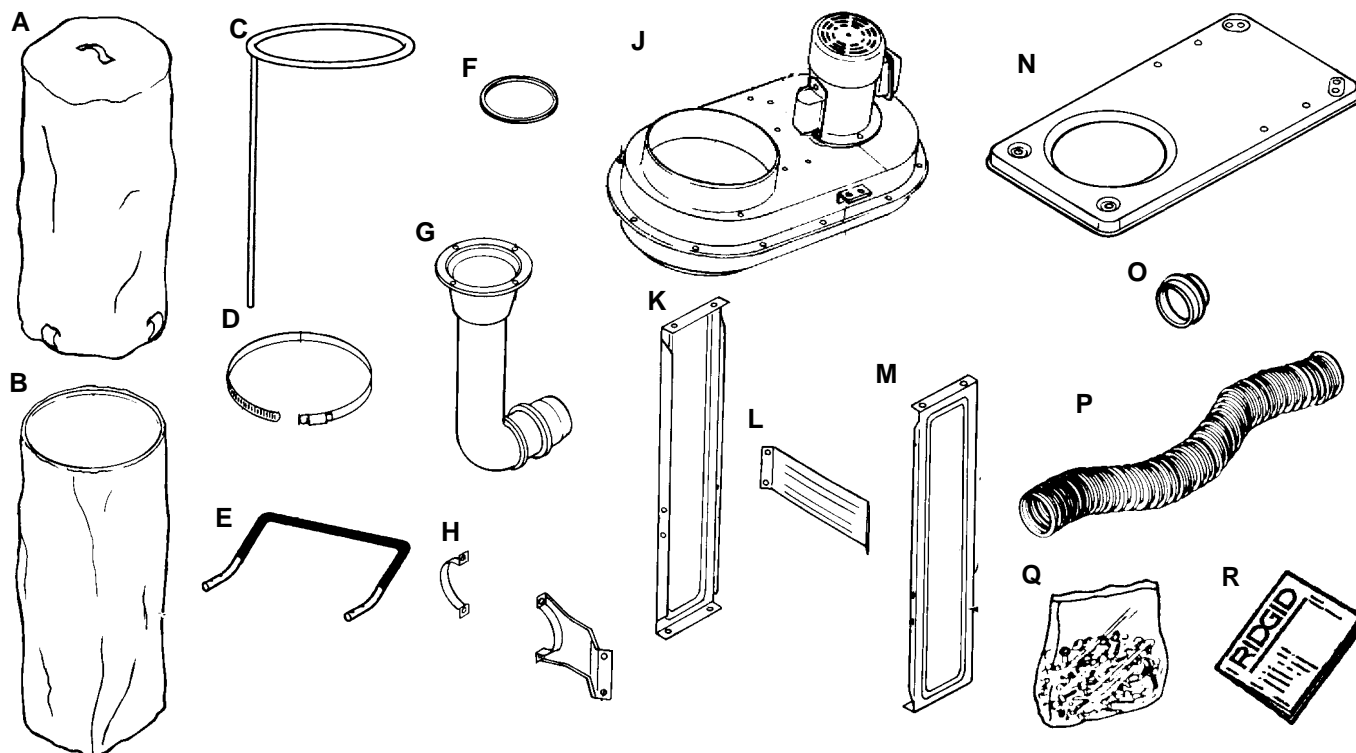
Remove entire contents of carton. Check each item against the Carton Contents List. Contact 1-800-4-RIDGID if any parts are damaged or missing.

## List of Loose Parts

Key	Description	Qty.
A	Filter/Dust Bag.....	1
B	Chip Collecting Bag.....	1
C	Filter/Dust Bag Hanger.....	1
D	Adjustable Band Clamp.....	1
E	Handle.....	1
F	O-Ring.....	1
G	Inlet Guard.....	1
H	Bracket and Inlet Clamp.....	1
J	Filtration Housing.....	1
K	Left Side Support Leg.....	1
L	Leg Bracket.....	1
M	Right Side Support Leg.....	1
N	Base Plate.....	1
O	Adapter.....	1
P	Flexible Hose, 4 Inch.....	1
Q	Loose Parts Bag.....	1
R	Manual.....	1

## Loose Parts in Bag

Description	Qty.
Hex Nut M6 x 1.....	5
Hex Nut 3/8-16.....	2
Lockwasher 1/4.....	9
Lockwasher 5/16.....	8
Hex Screw M6 x 1-30.....	4
Hex Screw M6 x 1-12.....	6
Hex Screw M8 x 1.25-12.....	18
Flat Washer 1/4 x 1/2.....	7
Flat Washer 5/16 x 11/16 x 1/16.....	18
Flat Washer 3/8 x 3/4.....	4
Switch Key.....	1
Pivoting Caster.....	2
Acorn Nut 3/8-16.....	2
Fixed Caster.....	2
Hose Clamp.....	2



# Assembly

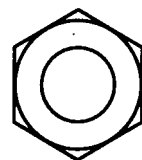
## Mounting Front Pivoting Casters

1. From the loose parts bag find the following:

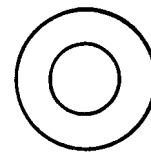
- 2 Hex Nuts, 3/8-16
- 4 Flat Washers, 3/8 x 3/4
- 2 Acorn Nuts 3/8-16
- 2 Pivoting Casters

2. Find the following:

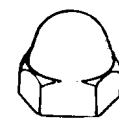
- 1 Base Plate



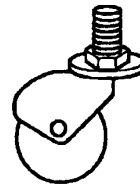
Hex Nuts  
3/8-16



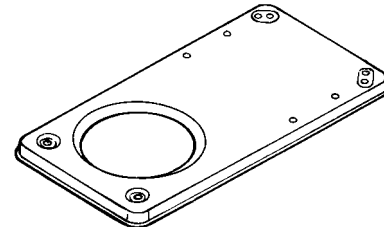
Flat Washers  
3/8 x 3/4



Acorn Nut

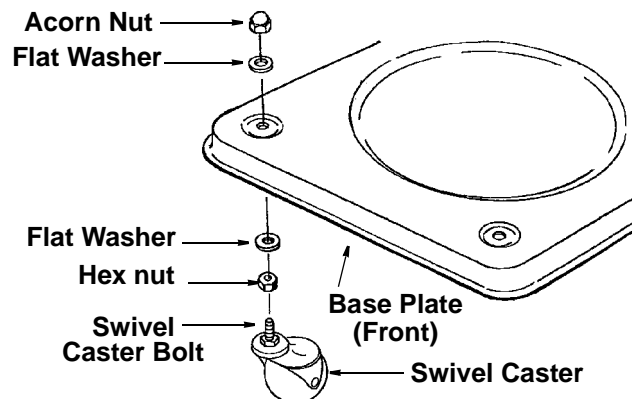


Pivoting  
Caster



Base Plate

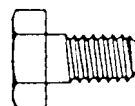
- 3. Screw a hex nut completely onto the caster bolt.
- 4. Position flat washer on top of previously installed hex nut and slip the caster bolt through the hole on front of base plate. Position second flat washer on the bolt.
- 5. Screw the acorn nut on the bolt securely with an adjustable wrench.
- 6. Tighten the hex nut securely against the base plate.
- 7. Repeat steps 2-5 on opposite sides.



## Mounting Rear Fixed Casters

1. From the loose parts bag find the following:

- 4 Hex Head Screws, M6 x 1-12
- 4 Lockwashers, 1/4
- 4 Flat Washers, 1/4 x 1/2
- 2 Fixed Casters



Hex Head Screw  
M6 x 1-12



Lockwashers  
1/4

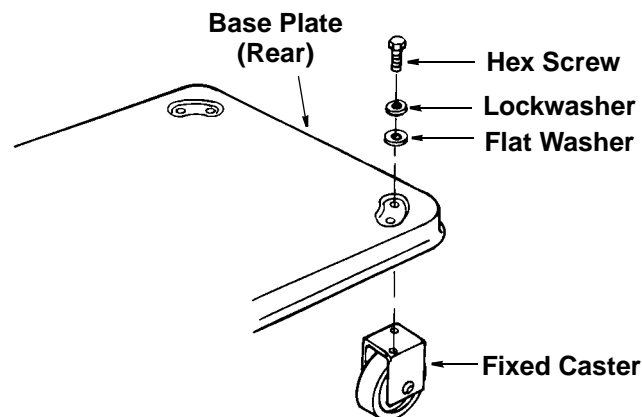


Flat Washers  
1/4 x 1/2



Fixed  
Caster

- 2. Position fixed caster under rear of base plate so that holes on caster bracket and base plate line up.
- 3. Install hex screw, lockwasher, and flat washer as shown. Tighten securely using an adjustable wrench.
- 4. Repeat steps 2 and 3 on opposite sides.

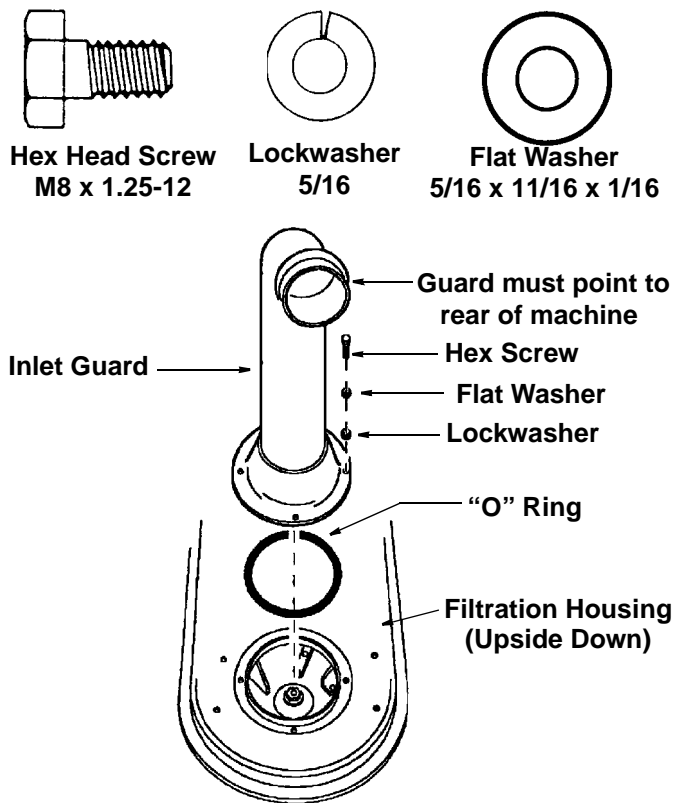


## Assembly (continued)

### Mounting Inlet Guard

1. From the loose parts bag find the following:
  - 4 Hex Screws, M8 x 1.25-12
  - 4 Lockwashers, 5/16
  - 4 Flat Washers, 5/16 x 11/16 x 1/16
2. Find the following:
  - 1 Filtration Housing
  - 1 Inlet Guard.
3. Carefully turn the filtration housing upside down so that the motor end bell rests against the floor.
4. Support the opposite side of filtration housing with a block of wood.
  - A. Place O-ring in relief of inlet pipe.
5. Position inlet guard in line with the threaded holes on the base of the filtration housing.

**NOTE:** Make sure inlet guard is pointing to rear of machine.
6. Place lockwasher and flat washer on hex screw and inset through the holes of the inlet guard into the threaded holes of the filtration housing as shown.
7. Complete the process for the other three holes using same method.



### Mounting Support Legs

1. From the loose parts bag find the following:
  - 4 Hex Screws, M8 x 1.25-12
  - 4 Lockwashers, 5/16
  - 4 Flat Washers, 5/16 x 11/16 x 1/16
2. Find the following:
  - 1 Left Leg Support
  - 1 Right Leg Support

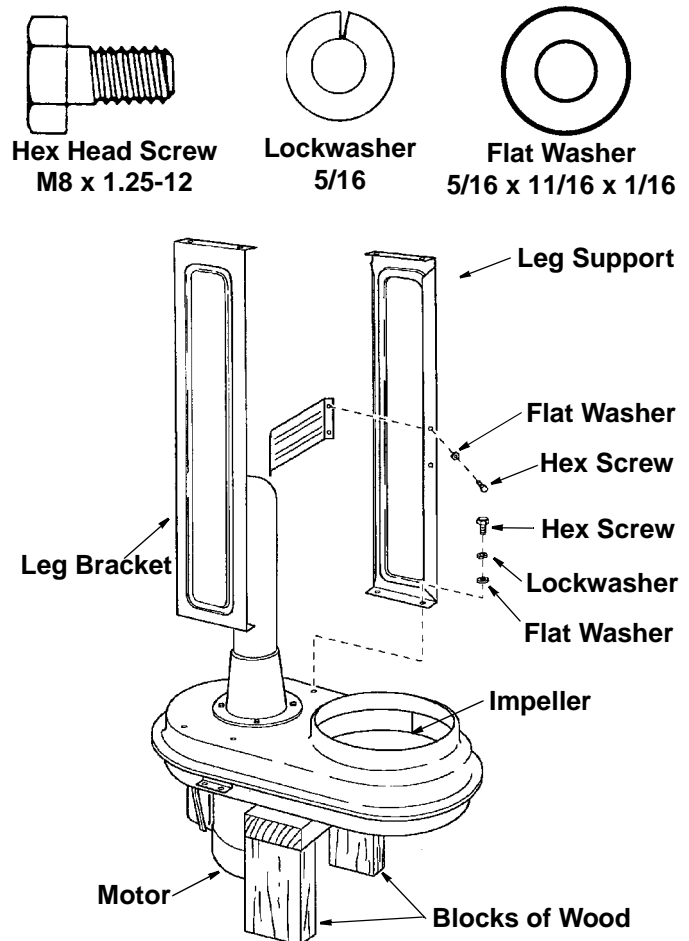
**CAUTION:** To avoid injury, keep hands away from fan blade.

3. Position left leg support as shown.
4. Place lockwasher and flat washer on hex screw and insert through the holes in the support leg and secure to the threaded holes in the filtration housing as shown.
5. Secure hex screws with adjustable wrench.

### Mounting Leg Bracket

1. From the loose parts bag find the following:
  - 4 Flat washers, 5/16 x 11/16 x 1/16
  - 4 Hex Screws\*, M8 x 1.25-12
2. Find the following:
  - 1 Leg Bracket
3. Insert leg bracket between the support legs and slide against the angled flange of the leg.

**NOTE:** Make sure holes in leg bracket align with holes on leg support.
4. Place Flat washer on hex screw, insert through angled flange of leg support and attach to threaded hole of bracket.



5. Repeat steps 2 and 3 using same process on other three holes.

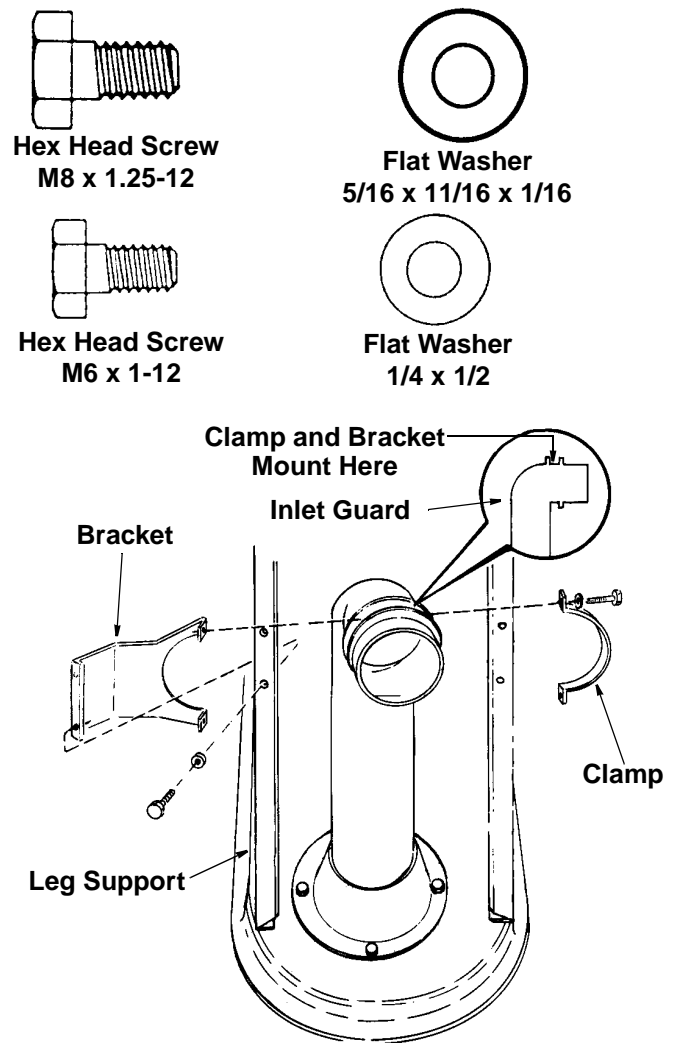


## Mounting Inlet Bracket

1. From the loose parts bag find the following:

- 4 Hex Screws, M8 x 1.25-12
- 4 Flat washers, 5/16 x 11/16 x 1/16)
- 2 Hex Screw M6 x 1-12
- 2 Flat washers 1/4 x 1/2

- 2. Insert inlet bracket between relief flange of inlet guard and against inside edge of angle flange on support leg. Make sure both holes on bracket align with similar holes on leg support.
- 3. Place 5/16 flat washer on hex screw, insert through leg hole and attach to threaded hole of bracket.
- 4. Repeat same process for other hole and secure with use of adjustable wrench.
- 5. Attach fixed clamp as shown, by placing flat washer on hex screw, insert hex screw through hole of fixed clamp and attach to threaded hole of inlet guard bracket.
- 6. Repeat step 5 to attach other screw below inlet guard.
- 7. Tighten all screws on legs, inlet guard and filtration housing securely.

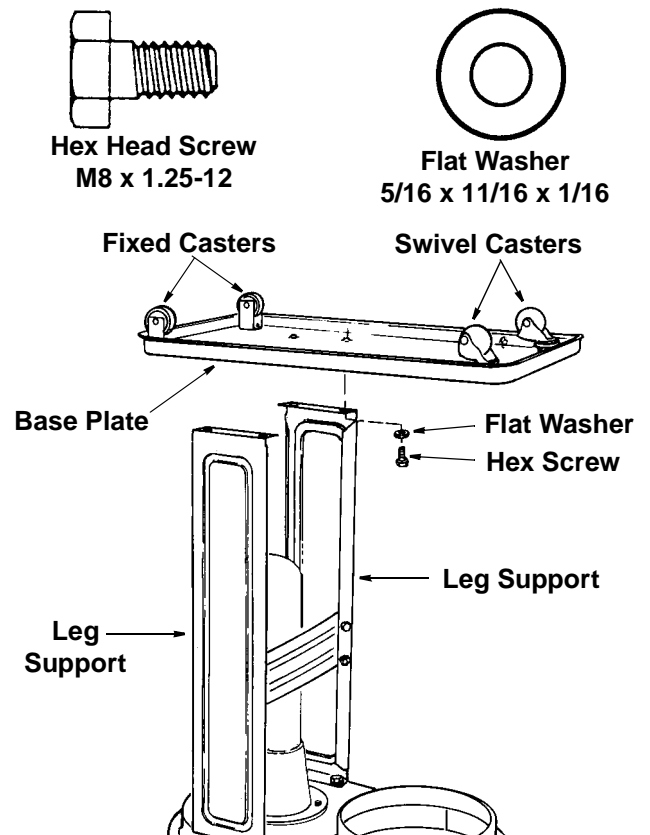


## Mounting Base Plate

1. From the loose parts bag find the following items:

- 4 Hex Screws M8 x 1.25-12
- 4 Flat Washers 5/16 x 11/16 x 1/16

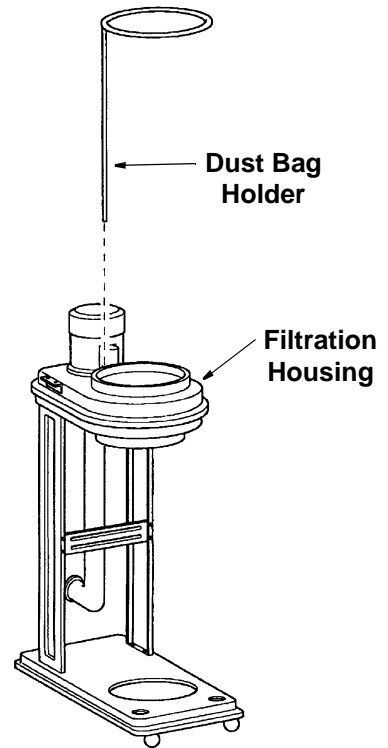
- 2. Attach base plate to leg supports by flipping base upside down, aligning holes on both leg supports.
- 3. Place 5/16 flat washer on hex screw, insert through leg hole and attach to threaded hole of base plate as shown.
- 4. Repeat same process for other three holes and secure with use of adjustable wrench.
- 5. With the assistance of another person, carefully flip the dust collection system right side up.



## Assembly (continued)

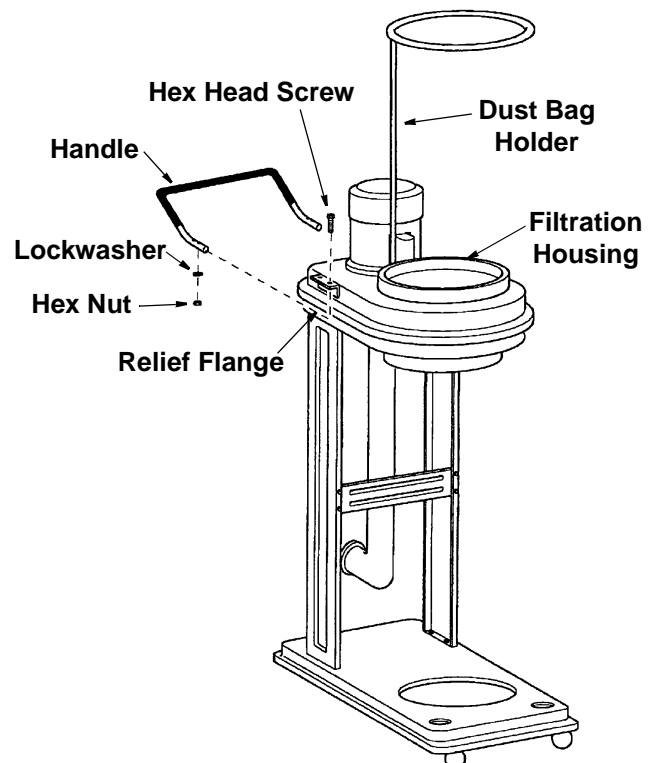
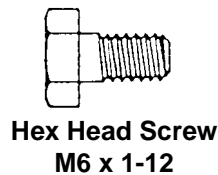
### Mounting Filter/Dust Bag Holder to Filtration Housing

1. From the loose parts find the following items.
  - 1 Dust Bag Holder
2. Press dust bag holder firmly into hole on guard impeller located inside filtration housing.



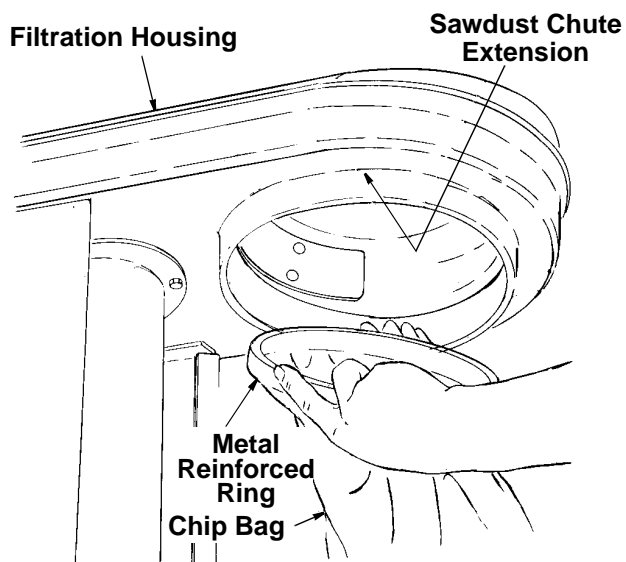
### Mounting Handle to Filtration Housing

1. From the loose parts bag find the following items.
  - 4 Hex Screws M6 x 1-30
  - 4 Lockwashers 1/4
  - 4 Hex Nuts M6 x 1
2. Attach the ends of the handle to the relief flanges on the side of filtration housing as shown.
3. Insert hex screw through the handle and flange.
4. Attach the lockwasher and the hex nut to the screw and tighten.
5. Repeat process for all four holes and secure with adjustable wrench.



## Chip Bag Assembly - Lower Filtration Housing

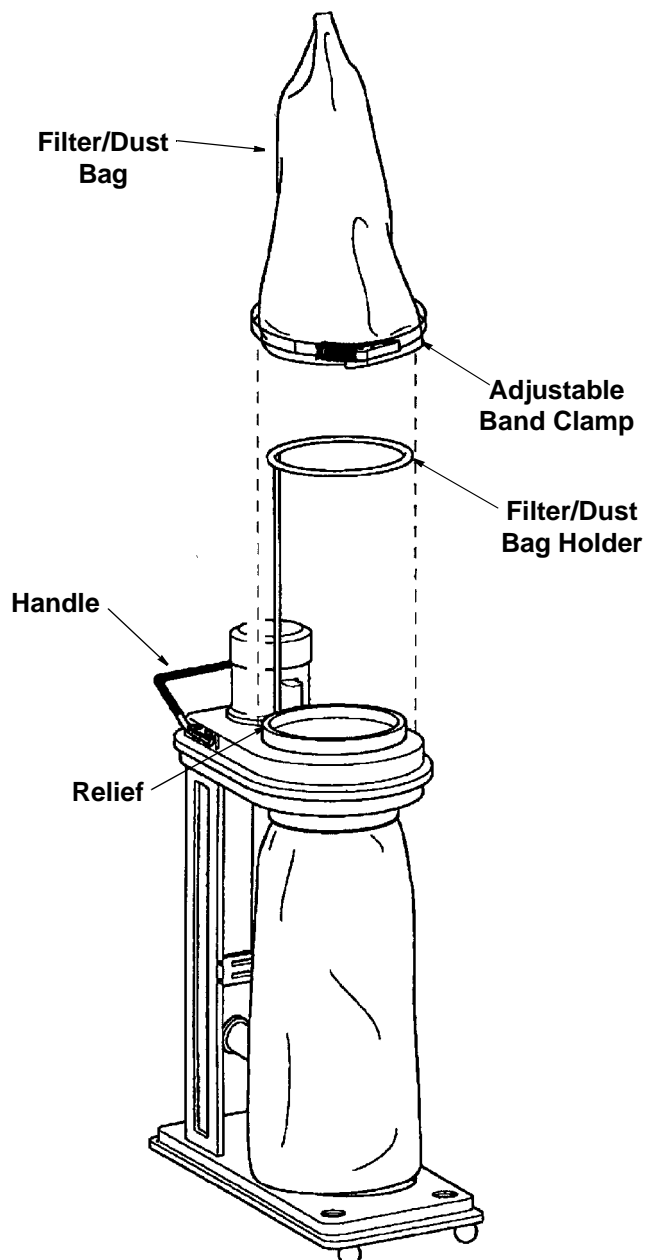
1. Insert lower chip bag by tilting the metal reinforced band at an angle and position it through the hole in the lower filtration housing.
2. Tuck one side of the band under the sawdust chute extension.
3. Allow the opposite side to rest on the ridge of the opening.
4. Tug on the chip bag to insure proper seating.



## Upper Filter/Dust Bag Assembly

1. Disconnect the adjustable band clamp and insert the end through the loops provided at the opening of the filter/dust bag.
2. Invert the filter/dust bag and slip the open end of the bag over the 1" relief on the top opening of the filtration housing.
3. Secure the bag by adjusting the rectangular bar to the fourth set of hooks.
4. Pull the lever tight until it seats itself.

**CAUTION: Make sure the opening of the bag is tight against the relief so dust will not escape.**



## Operation

**WARNING:** To reduce the risk of fire or explosion, do not operate this dust collection system in areas with flammable gases, vapors or explosive dust in the air. Flammable gases or vapors include but are not limited to; lighter fluid, solvent type cleaners, oil-base paints, gasoline, alcohol or aerosol sprays. Explosive dusts include but are not limited to; coal, magnesium, grain or gun powder. Do not vacuum explosive dust, flammable or combustible liquids or hot ashes. To reduce the risk of health hazards from vapors or dusts, do not vacuum toxic materials. To reduce the risk of electric shock, do not expose to rain. Store indoors. To reduce the risk of injury from accidental starting, unplug power cord before changing, cleaning or emptying filter/dust bag or chip bag.

This dust collection system is designed to be connected directly to the woodworking machines. Please, use only the parts provided for maximum efficiency.

4" Diameter x 60" Hose. PVC vulcanized rubber with wire reinforcement and 2-4" clamps.

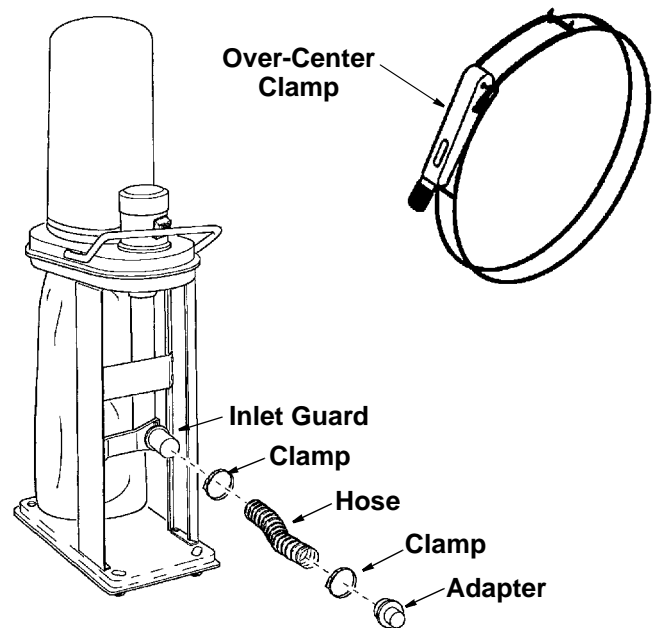
4"/2-1/2" Diameter Adapter. This connector allows direct hookup to many machines including band saws, belt and disc sanders and radial saw sawdust collector.

### Attaching Accessories to Inlet Guard

4" Diameter hose/clamp assembly and adapter.

1. Lift lever to open over-center clamp. Place clamp over end of hose. Slide hose/clamp over inlet-guard. Push lever on clamp to tighten clamp onto inlet-guard. Use same process to connect adaptor to other end of hose.

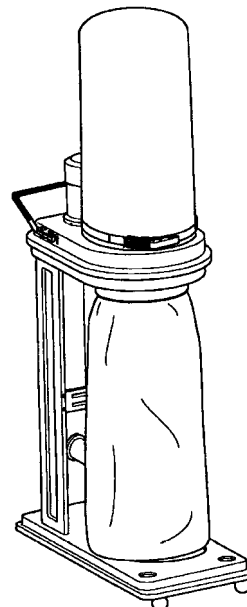
**CAUTION:** To reduce the risk of fire, use only the hose and adaptor designed for this unit. The adaptor is designed to fit only to the hose. Do not attach it directly to any other inlet opening.



### Connecting Dust Collection System to Power Source

**CAUTION:** If connected to a circuit protected by fuses, use time delay fuses with this appliance.

1. Prior to connecting your dust collection system to any power source, be sure your bags are installed properly. This will remove any possibility of dust flying in your face.
2. The motor on your dust collection system is wired for 120 volts, single phase power system. Make sure the motor rating agrees with the electrical system it is to be connected to.
3. Too many machines on one circuit will blow fuses. Be careful not to overload circuit.

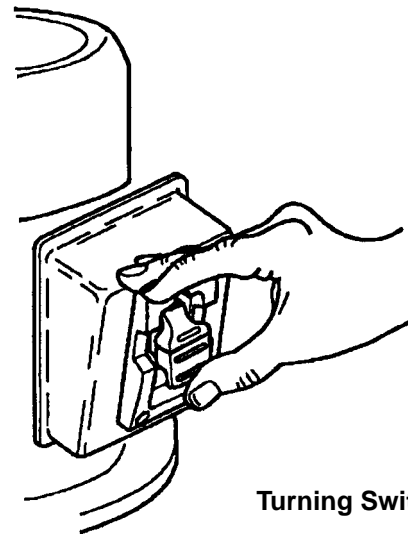


## On/Off Switch

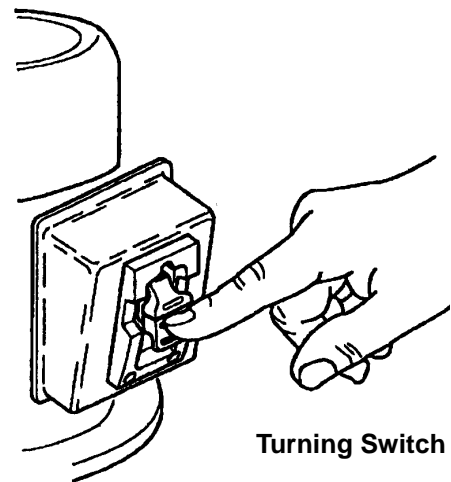
On the rear of the motor housing above the handle, is the switch box. The On/Off switch has the ability to be turned "On" when the yellow key is properly installed. Lifting up turns the switch on. Pushing down turns the switch off. Remove the key from the switch whenever the collection system is turned "Off" and keep it out of the reach of children.

**WARNING:** The dust collection system can start accidentally or be used by children or others when the key is left in the switch. Always remove key when the dust collection system is off and keep it out of the reach of children.

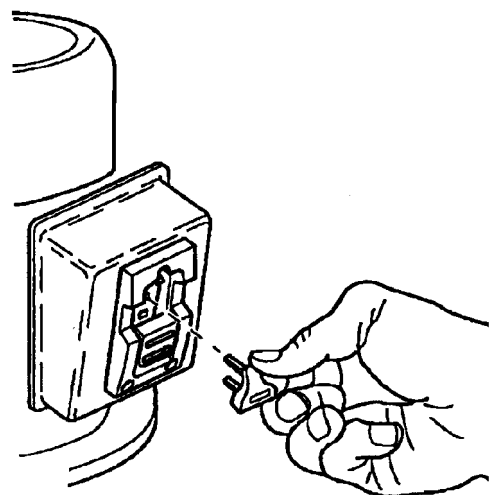
**WARNING:** For your own safety, always push the switch "OFF" when dust collection system is not in use, remove key and keep it in a safe place, also, in the event of a power failure (all of your lights go out) or blown fuse or tripped circuit breaker, turn switch off, lock it and remove the key. This will prevent the dust collection system from starting up again when the power comes back on.



Turning Switch "On"



Turning Switch "Off"



Removing Switch Key

# Maintenance

**WARNING:** For your own safety, turn switch “OFF” and remove plug from power source outlet before maintaining or lubricating your sawdust collection system.

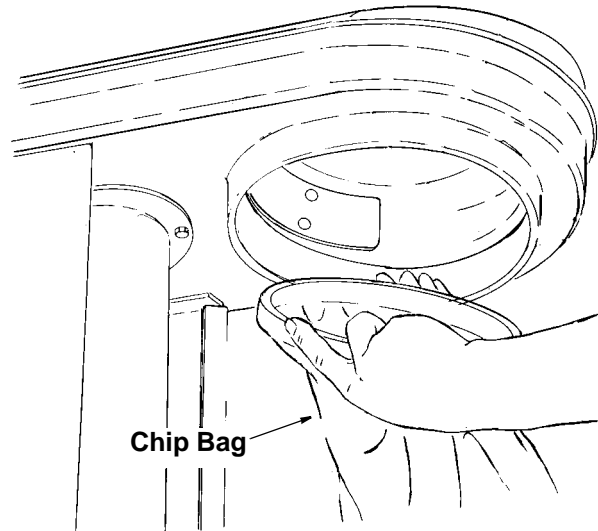
**WARNING:** To reduce the risk of injury from electric shock or suddenly starting unit, always remove switch key and keep unplugged while unit is disassembled in any way. Always reassemble with recommended parts before plugging unit in.

## Chip Collecting Bag Removal

1. Push band up and slide opposite edge to the middle opening.
2. Lower band carefully through opening as shown. Deposit chips in appropriate container.

**CAUTION:** Wear safety goggles ANSI Z87.1 (or in Canada CSA Z94-3-M88) to protect your eyes prior to commencing operation.

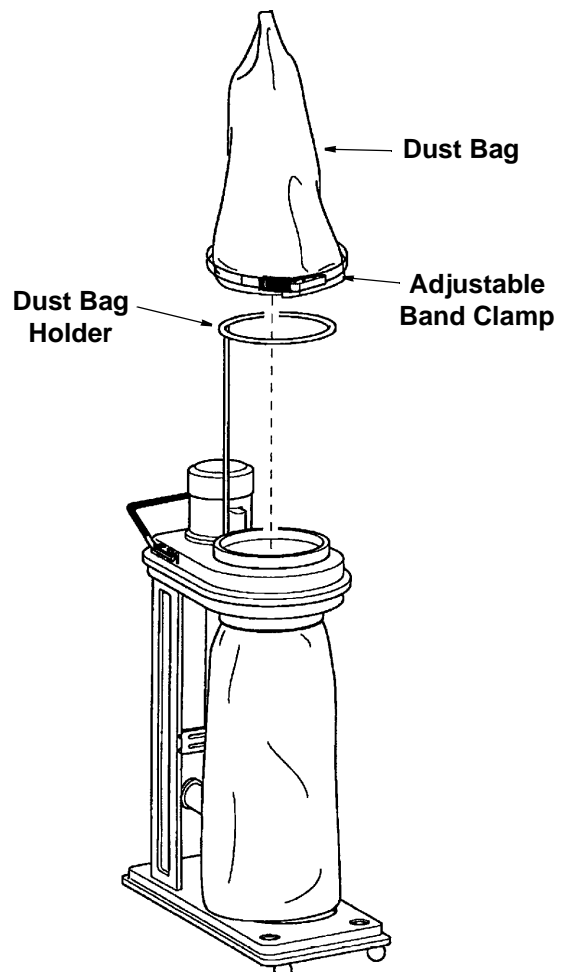
3. Reconnect the chip collecting bag by sliding the band through the hole and slide the opposite side under dust chute extension. Seat as shown.



## Filter/Dust Bag Removal

**CAUTION:** If using this dust collection system to help keep airborne wood dust in heavy usage within acceptable limits, you must regularly monitor airborne dust and maintain dust collection system to avoid exceeding dust limits. Each application is unique. Your maintenance schedule must, therefore, be tailored to your specific use of this dust collection system.

1. Shake the filter/dust bag so the fine dust falls into lower chip collecting bag.
2. Disconnect the adjustable band clamp by releasing the spring lever clamp.
3. Remove the filter/dust bag and deposit all fine dust in an appropriate container.
4. Reconnect the bag carefully so the clamp wraps around the bag on all sides. Adjust the lever to the fourth hook and fasten securely.



## Motor

Excessive dust in motor could cause excessive heat in motor.

Every effort should be made to prevent foreign material from entering the motor. When operated under conditions likely to permit accumulations of dust, dirt or waste within the motor, a visual inspection should be made at frequent intervals. Accumulations of dry dust can usually be blown out successfully.

**NOTE:** Motors used on wood working tools are particularly susceptible to the accumulation of sawdust and wood chips and should be blown out or "vacuumed" frequently to prevent interference with normal motor ventilation.

To remove dust, blow off motor with a low pressure air hose.

**CAUTION:** To reduce the risk of eye injury or adverse reaction to dust, high air pressure should not be used, especially in poorly ventilated areas.

The operator performing this cleaning function should wear safety goggles and filter mask.

Do not use unit if power cord becomes worn or frayed.

If any servicing (other than the above cleaning) becomes necessary, it should be performed by an Authorized RIDGID Service Center.

**NOTE:** The speed of this motor cannot be regulated or changed.

## Troubleshooting

**WARNING:** For your own protection, turn switch "OFF" and always remove plug from power source outlet before troubleshooting.

### Motor

Trouble	Probable Cause	Remedy
Motor will not run.	1. Defective cord, plug, switch and/or motor. 2. Blown fuse.	1. Consult an Authorized Service Center. Any attempt to repair this motor may create a hazard unless repair is done by a qualified service technician. 2. Check for blown fuses and replace with fuse of proper capacity.
Excessive sawdust in air.	1. Loose connectors 2. Filter/dust bag and/or chip collection bag releasing sawdust.	1. Tighten connections. 2. a. Sawdust trapped between clamp bag and housing. b. Lower bag is hung up on sawdust shoot extension. Reposition chip bag properly. See "Maintenance - Chip Bag".
Excessive impeller noise.	1. Picked up large wood chips or debris. 2. Loose impeller. 3. Rubbing impeller.	1. Do not pick up metal or ferrous materials. Stop the machine and the material will fall to the bottom of inlet tube. 2. Unplug unit prior to disassembly. Hazardous moving parts inside. Attach inlet guard before plugging in. Use a piece of wood to free impeller. 3. Consult Authorized Service to repair loose or rubbing impeller. A repair to the housing may create a hazard unless it is done by a qualified service technician.
Excessive noise.	1. Motor	1. Have motor checked by qualified service technician.

## Troubleshooting (continued)

### Motor (continued)

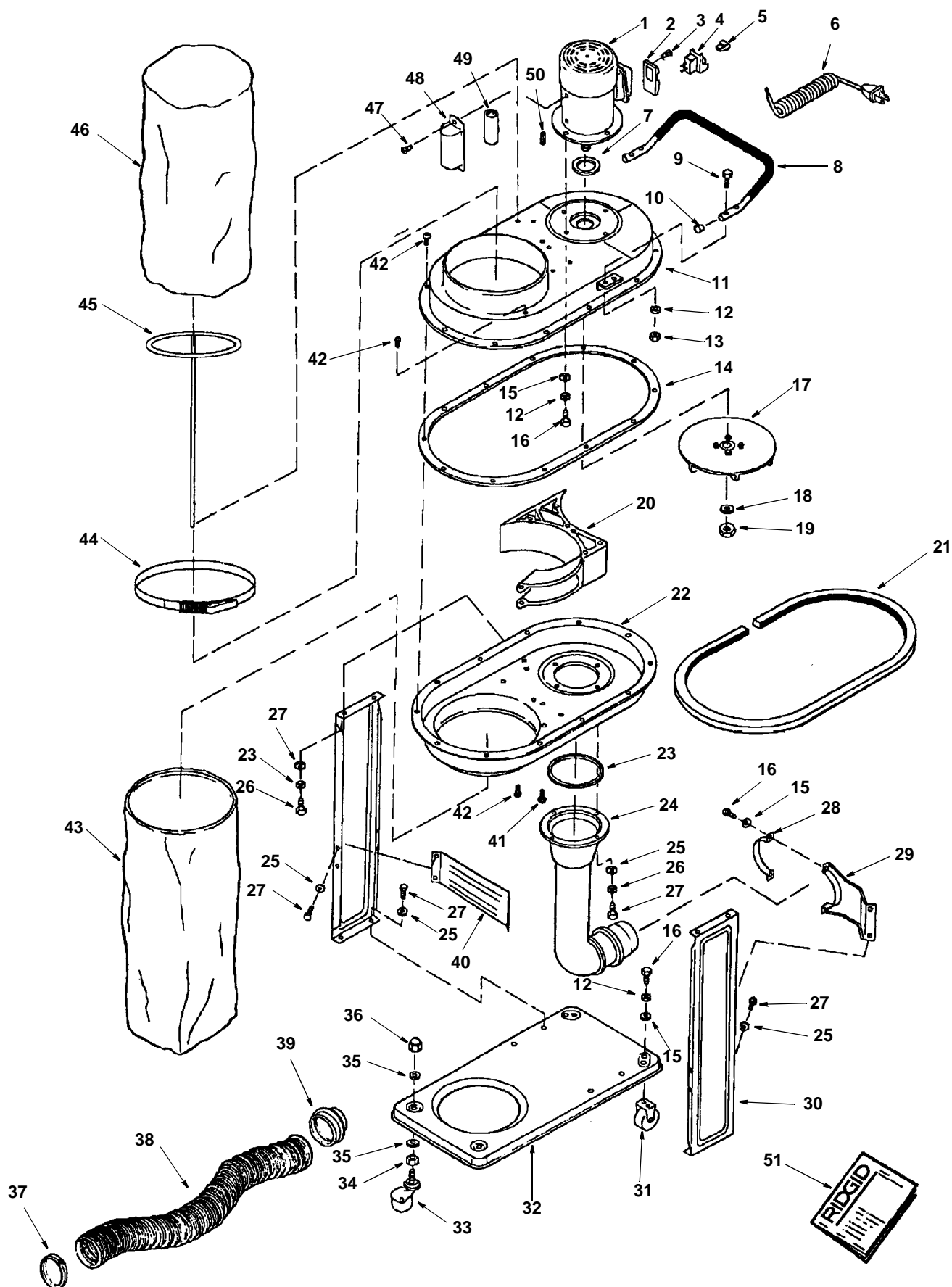
Trouble	Probable Cause	Remedy
Motor fails to develop full power. <b>NOTE:</b> LOW VOLTAGE: (Power output of motor decreases rapidly with decrease in voltage at motor terminals. For example, a reduction of 10% in voltage causes a reduction of 19% in maximum power output of which the motor is capable and a reduction of 20% in voltage causes a reduction of 36% in maximum power output.)	<ol style="list-style-type: none"> <li>1. Circuit overloaded with lights, appliances and other motors.</li> <li>2. Undersize extension cord or extension cord too long.</li> <li>3. General overloading of power company facilities.</li> </ol>	<ol style="list-style-type: none"> <li>1. Do not use other appliances or motors on same circuit when using the Dust Collection System.</li> <li>2. Increase the wire sizes on extension cords, or reduce length of extension cords. See "Motor Specifications and Electrical Requirements" section.</li> <li>3. Request a power check from the power company.</li> </ol>
Motor starts slowly or fails to come up to full speed.	<ol style="list-style-type: none"> <li>1. Low voltage.</li> <li>2. Windings burned out or open.</li> <li>3. Starting switch will not operate. (Switch contacts working properly.) Capacitor is bad.</li> </ol>	<ol style="list-style-type: none"> <li>1. Request voltage check from the power company.</li> <li>2. Have motor repaired by a qualified service technician.</li> <li>3. Have capacitor replaced by a qualified service technician.</li> </ol>
Motor overheats	<ol style="list-style-type: none"> <li>1. Motor overloaded.</li> <li>2. Improper cooling. (Air circulation restricted through motor due to sawdust, accumulating inside of motor.)</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean out sawdust to provide normal air circulation through motor. See "Maintenance" section.</li> </ol>
Motor stalls (resulting in blown fuses or tripped circuit breakers).	<ol style="list-style-type: none"> <li>1. Voltage too low to permit motor to reach operating speed.</li> <li>2. Fuses or circuit breakers do not have sufficient capacity.</li> </ol>	<ol style="list-style-type: none"> <li>1. Request voltage check from the power company.</li> <li>2. Install proper size fuses or circuit breakers.</li> </ol>
Frequent opening of fuses or circuit breakers.	<ol style="list-style-type: none"> <li>1. Motor overloaded.</li> <li>2. Fuses or circuit breakers do not have sufficient capacity.</li> </ol>	<ol style="list-style-type: none"> <li>1. Install proper size fuses or circuit breakers.</li> </ol>

**NOTE:** Motors used on woodworking tools are particularly susceptible to the accumulation of sawdust and wood chips and should be blown or "vacuumed" frequently to prevent interference with normal motor ventilation of the centrifugally operated starting switch.





## Parts List For RIDGID Dust Collection System Model DC20000



## Parts List For RIDGID Dust Collection System Model DC20000

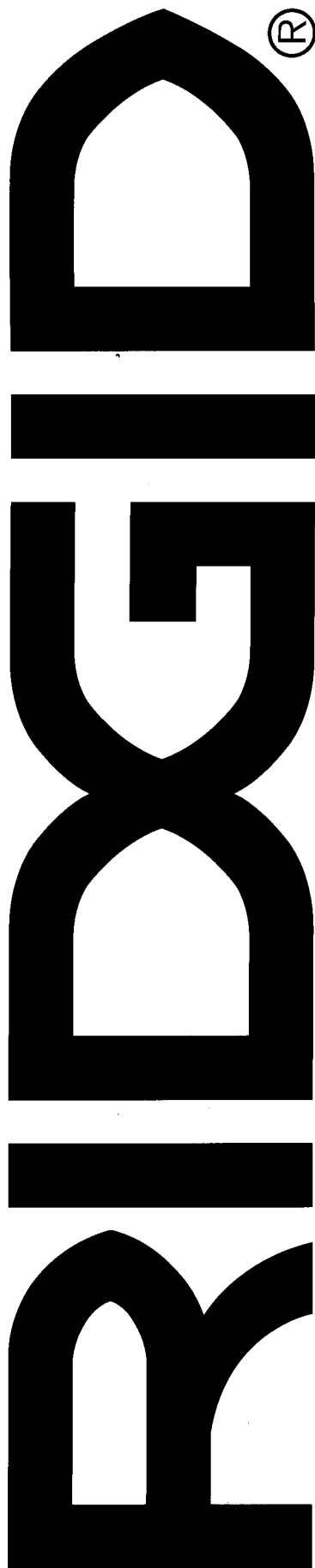
Always order by Part Number - not by Key Number

Key No.	Part No.	Description	Key No.	Part No.	Description
1	826690	⚠ Motor, 1 H.P.	28	819202-1	Clamp, Inlet Support
2	826395	Bezel Switch	29	819201-1	Bracket, Inlet Support
3	*	Screw Hex hd. M6 x 1.0-20	30	819196-1	Leg
4	826123	⚠ Switch	31	819207	Caster, Fixed
5	826122	⚠ Key, Switch	32	819199-1	Base
6	819189-1	⚠ Cord with Plug	33	819203	Caster, Pivoting
7	819173	Seal, Motor	34	*	Nut, Hex 3/8-16
8	826692	Handle	35	*	Washer, Flat 3/8 x 3/4 x 3/32
9	*	Screw, Hex Hd. M6x1-30	36	*	Nut, Acorn 3/8-16
10	819192	Plug, Plastic	37	826693	Clamp, Hose
11	819171-1	Housing, Upper	38	819267	Hose, Flex 4.0 Inch
12	*	Lockwasher, 1/4	39	819269	Adapter 2-1/2"/4.0"
13	*	Nut, Hex M6 x 1	40	819200-1	Bracket, Leg
14	819183	Seal, Housing	41	*	Screw, Pan Hd. M4 x 16-12 Ty "AB"
15	*	Washer, 1/4 x 1/2 x 1/16	42	*	Screw, Pan Hd. M4 x 16-10 Ty "B"
16	*	Screw, Hex M6 x 1-12	43	819170-1	⚠ Bag, Lower Chip
17	819176	Impeller	44	819169-1	⚠ Clamp, Filter/Dust Bag
18	819198-1	Washer, 5/8 x 1-1/2 x 1/8	45	826689	Holder, Dust Bag
19	*	Nut, Hex 5/8-18	46	826677	⚠ Bag, Upper Filter/Dust
20	826691	⚠ Guard, Impeller	47	*	⚠ Screw, Pan Hd. M4 x 0.7-10
21	819190-1	Sleeve, Housing Edge	48	819174	Cover, Capacitor
22	819182-1	Housing, Lower	49	819167	Capacitor
23	819195	O-Ring, 137mm	50	819188	Key
24	819194	⚠ Pipe, Inlet	51	SP6188	Owners Manual
25	*	Washer, 5/16 x 11/16 x 3/32			
26	*	Lockwasher 5/16			
27	*	Screw, Hex Hd. M8 x 1.25-12			

\* Standard Hardware Item - May be Purchased Locally.

**⚠ WARNING: These Items Are Important To The Safety Of This Tool. Do Not Substitute Common Parts.**

- Any attempt to repair or replace electrical parts on this unit may create a HAZARD unless repair is done by a qualified service technician. Repair service is available at an Authorized Service Center.



## **Lifetime Warranty On RIDGID Tools**

The RIDGID REPUTATION is the result of the consistent product quality and years of pride in workmanship. Rigorous checks and controls from raw materials to packaged products insure product confidence widely accepted as the mark of the professional trades. Therefore, RIDGID covers its products with a LIFETIME WARRANTY against defects in material or workmanship. To take advantage of this warranty, the complete product must be delivered prepaid to RIDGE TOOL COMPANY or any RIDGID AUTHORIZED SERVICE CENTER. Obviously, failures due to misuse, abuse or normal wear and tear are not covered by this warranty. NO OTHER WARRANTY, WRITTEN OR ORAL, APPLIES. No employee, agent, dealer or other person is authorized to give any warranty on behalf of RIDGID Dust Collection System, Emerson Electric Co. Warranted products will be repaired or replaced, at our option, at no charge to you and returned to you via prepaid transportation. Such replacement or repair is the exclusive remedy available from RIDGID Dust Collection System, Emerson Electric Co. Emerson Electric Co. is not liable for damage of any sort, including incidental and consequential damages. Some U.S.A. states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

**Stock No. DC2000**

**Model No. DC20000**

The model and serial number of your Dust Collection System may be found on the motor cover.

You should record both model and serial number in a safe place for future use.

**QUESTIONS OR COMMENTS?**

**CALL 1-800-4-RIDGID**



**RIDGID Power Tools  
Emerson Electric Co.**

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